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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/521,655	01/14/2005	Jonathon Reo Campian	000061242-08us	2171
7590	10/13/2006		EXAMINER	
Butzel Long Docketing Department 100 Bloomfield Hills Parkway Suite 200 Bloomfield Hills, MI 48304				LARSON, LOWELL A
		ART UNIT		PAPER NUMBER
		3725		
DATE MAILED: 10/13/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/521,655	CAMPIAN, JONATHON REO	
	Examiner Lowell A. Larson	Art Unit 3725	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE THREE MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 01 September 2006.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1 to 22 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) 1 to 8 is/are allowed.
 6) Claim(s) 9 to 22 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date _____	6) <input type="checkbox"/> Other: _____

DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

2. Claims 9 to 12, 17 and 18 are again rejected under 35 U.S.C. 103(a) as being unpatentable over Sawa in view of Massee for the reasons set forth in Paragraph 2 of the last Office action (paper mailed February 28, 2006).

Applicant's remarks in the response filed September 1, 2006 have been considered but are not found to be persuasive. In particular, Applicant believes the teaching of Massee is inappropriate to combine with Sawa since Massee is not in the field of hemming with the use of a robotic arm. This is not persuasive because both Sawa and Massee relate to shaping metal products with the use of programmable roller tools. One skilled in the art would consider teachings of roller position controls to be reasonably pertinent to considerations of obtaining maximum roller performance regardless of the particular environs in which the roller is used. Thus, no lack of nexus is seen in applying the teachings of Massee regarding roller controls to eliminate instability encountered due to variations in material thickness or roller eccentricity to the hemming roller system of Sawa, as set forth in the grounds of rejection of the last Office action.

Reciting that the computer is "pre-programmed", as now required by the claims, does not distinguish over programming the controller in a teaching mode of the system, as disclosed by both Sawa and Massee, since in such a manner the instantaneous

controls are programmed into the computer memory and stored prior to further operation of the system for production.

3. Claims 13 to 16 and 19 to 21 are again rejected under 35 U.S.C. 103(a) as being unpatentable over Sawa in view of Masse and Persson for the reasons set forth in Paragraph 3 of the last Office action.

Applicant has not presented separate arguments regarding this grounds of rejection.

4. Claim 22 is again rejected under 35 U.S.C. 103(a) as being unpatentable over Sawa in view of Massee and Polon for the reasons set forth in Paragraph 4 of the last Office action.

Applicant has not presented separate arguments regarding this grounds of rejection.

Conclusion

5. Claims 1 to 8 are allowed. The prior art does not disclose supporting the pressure roller in an off-axis orientation with a cylinder and reciprocating hub in the manner required by these claims.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Toeniskoetter shows supporting the pressure roller via a cylinder member and reciprocating hub, but is not available as a reference.

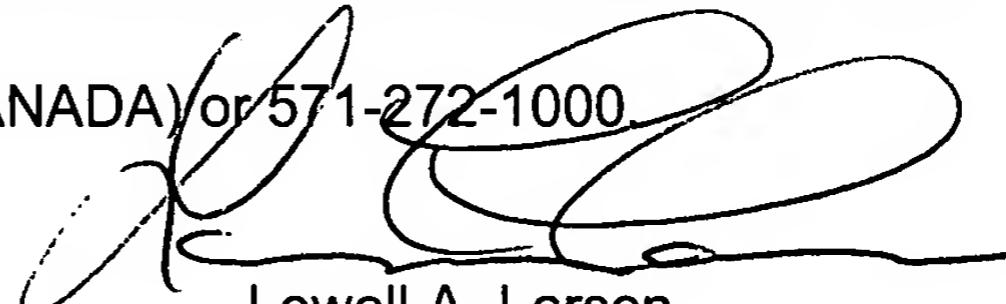
7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lowell A. Larson whose telephone number is (571) 272-4519. The examiner can normally be reached from M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derris Banks can be reached at (571) 272-4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Lowell A. Larson
Primary Examiner
Art Unit 3725

LAL
October 6, 2006